

L49 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1995:774766 CAPLUS
 DN 123:172514
 ED Entered STN: 06 Sep 1995
 TI Fire- and water-resistant polyester tarpaulin fabrics
 IN Tatsuoka, Yasunori; Tanaka, Makoto
 PA Teijin Ltd, Japan
 SO Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM D06M015-564
 ICS D06M015-576
 ICI D06M101-32
 CC 40-5 (Textiles and Fibers)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07157977	A2	19950620	JP 1993-302834	19931202 <--
	JP 2859528	B2	19990217		
PRAI	JP 1993-302834		19931202		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 07157977	ICM	D06M015-564
	ICS	D06M015-576
	ICI	D06M101-32

AB The title fabrics are prepared by treating the surface of fabrics of fire-resistant polyester fibers with fluoropolymer waterproofing agents and coating the back of the fabrics with 90-30:10-70 (weight ratio) mixts. of meltable polyurethanes and halogenated urethane compds to coating weight 20-70 g/m2. A woven fabric of carboxyphosphinic acid-modified polyester fibers (Trevira CS) was treated with a solution containing 0.5% TKS 115.

(F-containing

polyurethane waterproofing agent) to pickup 60%, dried, heat set 30 s at 170°, coated on the back side with a composition containing 50 parts (solids) NY-331 (polycarbonate-polyurethane) and 50 parts P-300 (halogenated urethane oligomer fireproofing agent) to coating weight 45 g/m2 and give a fabric with fire resistance (coil method) 4 cycles and water resistance 1200 mm.

ST polyester fiber fireproof water resistant; tarpaulin fireproof polyester water resistant; polyurethane coated polyester tarpaulin

IT Urethane polymers, uses

RL: TEM (Technical or engineered material use); USES (Uses)
 (fluorine-containing; waterproofing agent; for fire- and water-resistant polyester tarpaulin fabrics)

IT Fireproofing agents

(halogen-containing urethane oligomers; for fire- and water-resistant polyester tarpaulin fabrics)

IT Polyester fibers, uses

RL: PEP (Physical, engineering or chemical process); PRP (Properties); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
 (tarpaulin fabrics; fire- and water-resistant)

IT Waterproofing

(agents, fluorine-containing polymers; for fire- and water-resistant polyester tarpaulin fabrics)

IT Urethane polymers, uses

RL: TEM (Technical or engineered material use); USES (Uses)
 (polycarbonate-, coating; for fire- and water-resistant polyester tarpaulin fabrics)

IT Polycarbonates, uses

RL: TEM (Technical or engineered material use); USES (Uses)
 (polyurethane-, coating; for fire- and water-resistant polyester
 tarpaulin fabrics)

IT Sporting goods
 RL: TEM (Technical or engineered material use); USES (Uses)
 (tents, fire- and water-resistant polyester fabrics for)

IT 136362-19-1, Crisvon NY 331
 RL: TEM (Technical or engineered material use); USES (Uses)
 (coating; for fire- and water-resistant polyester tarpaulin fabrics)

IT 167678-95-7, P 300 (fireproofing agent)
 RL: TEM (Technical or engineered material use); USES (Uses)
 (fireproofing agent; for fire- and water-resistant polyester tarpaulin
 fabrics)

IT 42610-70-8, Asahiguard AG 710 167679-08-5, TKS 115
 RL: TEM (Technical or engineered material use); USES (Uses)
 (waterproofing agent; for fire- and water-resistant polyester tarpaulin
 fabrics)

RN 136362-19-1
 RN 167678-95-7
 RN 42610-70-8
 RN 167679-08-5

L49 ANSWER 2 OF 3 WPIX COPYRIGHT 2005 THE THOMSON CORP on STN
 AN 1995-252704 [33] WPIX
 DNC C1995-115657
 TI Flameproofing and waterproofing canvas for light-weight tent or canvas -
 prepared by imparting organic fluorinated polymer type water-repellent agent
 on fabric of flame-retardant polyester fibre and coating with polyurethane
 resin.

DC A23 A25 A86 A87 F06
 PA (TEIJ) TEIJIN LTD
 CYC 1

PI JP 07157977 A 19950620 (199533)* 4 D06M015-564 <--
 JP 2859528 B2 19990217 (199912) 5 D06M015-564

ADT JP 07157977 A JP 1993-302834 19931202; JP 2859528 B2 JP 1993-302834
 19931202

FDT JP 2859528 B2 Previous Publ. JP 07157977

PRAI JP 1993-302834 19931202

IC ICM D06M015-564
 ICS D06M015-576

ICI D06M101:

AB JP 07157977 A UPAB: 19950824
 A canvas is prepared by imparting an organic fluorinated polymer type
 water-repellent agent on the surface of fabric made of a flame-retardant
 polyester fibre and by coating the back of the fabric with a mixed resin
 comprising (a) a heat-fusible polyurethane resin and (b) a halogenated
 urethane cpd.. The mixed ratio of (a)/(b) is 90/10-30/70 by weight.
 USE - The canvas is suitable for a light-weight canvas, tent, etc..
 ADVANTAGE - The canvas has high flame-and water proofing,
 water-repellent, treating properties and texture.
 Dwg.0/0

FS CPI
 FA AB
 MC CPI: A04-E10; A05-E01B2; A05-G01E1; A12-G01; A12-G03; F03-C02A; F03-C03C

L49 ANSWER 3 OF 3 JAPIO (C) 2005 JPO on STN
 AN 1995-157977 JAPIO
 TI FLAME-PROOF AND WATER-PROOF CANVAS
 IN TATSUOKA YASUNORI; TANAKA MAKOTO
 PA TEIJIN LTD
 PI JP 07157977 A 19950620 Heisei
 AI JP 1993-302834 (JP05302834 Heisei) 19931202
 PRAI JP 1993-302834 19931202

SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 1995
IC ICM D06M015-564
ICS D06M015-576
ICI D06M101:32
AB PURPOSE: To obtain a flame-proof and water-proof canvas having excellent flame-proofness, water-proofness, water repellency, handleability, feeling, etc.
CONSTITUTION: This flame-proof and water-proof canvas is produced by applying an organic fluoropolymer water-repellent to the surface of a cloth made of a flame-retardant polyester fiber and coating the back face of the cloth with a blended resin produced by mixing a hot-melt polyurethane resin with a halogenated urethane compound at a weight ratio of 90:10 to 30:70.
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